

SI CORPORATION
CHICKAMAUGA FACILITY

SI Corporation, Chickamauga facility manufactures carpet backings, geotextiles, and permeable fabrics used in construction and soil erosion control. Between 1995 and 2000 the facility achieved significant reductions in hazardous waste emissions, water and energy consumption, air pollution, and solid waste disposal. The Chickamauga facility's environmental management system received ISO 14001 certification in 1997, and it participates in EPA's WasteWi\$e program.

ENVIRONMENTAL PERFORMANCE

AT A GLANCE

Industry Sector:	Textiles
Business:	Manufacturer of carpet backings and geotextiles
Facility Employees:	More than 1,000
Accomplishments:	Reduced hazardous waste Reduced water use
2003 Commitments:	Reduce air emissions Reduce solid waste Reduce energy use
Address:	309 Lafayette Road Chickamauga, GA 30707
Web site:	www.sind.com

Past Accomplishments

The Chickamauga facility demonstrated its commitment to environmental improvement by implementing a comprehensive environmental management system. Since 1995, the facility has:

- **Reduced hazardous material use** by eliminating the use of chlorinated solvents in the cleaning process of 850 large looms. The current cleaning process uses a heated and pressurized water-based solution that can be filtered for reuse.
- **Reduced water use** by filtering, processing, and reusing cooling water in high-consumption cleaning and ventilation systems.

Future Commitments

The Chickamauga facility also committed to continuous improvement of environmental performance, specifically in the areas of air emissions, energy consumption, and waste generation. By 2003, the facility will:

- **Reduce emissions of hazardous air pollutants (HAP)** by 30% through replacing older extrusion ovens with higher-efficiency ovens, reducing the quantity of fabric processed through ovens, and decreasing natural gas usage by 10%.
- **Reduce polypropylene wastes** by 18% by minimizing the release of raw materials and exploring reuse and recycling options for tapes, fibers, and fabrics.
- **Reduce energy use** by 12% through installing an energy-efficient cooling tower system and increased-efficiency electric motors and lighting systems and improving machinery insulation.
- **Reduce solid waste** by 17% through mobilizing the facility's Resource and Reduction Action Team, and the entire workforce, to redouble their reduction, reuse, and recycling efforts.

COMMUNITY OUTREACH

The Synthetic Industries Corporation, Chickamauga facility, conducts an annual open house to provide employee families and community members the opportunity to view facility operations. The facility maintains an active internal and external dialog to inform employees and community members about important environmental matters, distributing information to three county newspapers and circulating an internal newsletter memo to employees.

